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Attorney Docket: 16459-013001

LIGHT EMITTING SYSTEMS

CROSS-REFERENCE TO RELATED APPLICATIONS

This application claims priority under 35 U.S.C. §119 to the following U.S.

Provisional Patent Applications: 60/462,889, filed April 15, 2003; 60/474,199, filed May 29, 2003; 60/475,682, filed June 4, 2003; 60/503,653, filed September 17, 2003; 60/503,654

5 filed September 17, 2003; 60/503,661, filed September 17, 2003; 60/503,671, filed September 17, 2003; 60/503,672, filed September 17, 2003; 60/513,807, filed October 23, 2003; and 60/514,764, filed October 27, 2003. This application also claims priority under 35 U.S.C. §120 to, and is a continuation-in-part of, the following U.S. Patent Applications:

10 ~~{Attorney Docket 16459-006001}~~ ^{10/723,987}, entitled "Light Emitting Devices," and filed November 26, 2003; ~~{Attorney Docket 16459-007001}~~ ^{10/724,004} (now U.S. Patent No. 6,831,302), entitled "Light Emitting Devices," and filed November 26, 2003; ~~{Attorney Docket 16459-008011}~~ ^{10/724,033}, entitled "Light Emitting Devices," and filed November 26, 2003; ~~{Attorney Docket 16459-009011}~~ ^{10/724,006} (now U.S. Patent No. 7,084,434), entitled "Light Emitting Devices," and filed November 26, 2003; ~~{Attorney Docket 16459-010011}~~ ^{10/724,029} (now U.S. Patent No. 7,099,589), entitled "Light Emitting Devices," and filed November 26, 2003; ~~{Attorney Docket 16459-011001}~~ ^{10/724,015}, entitled "Light Emitting Devices," and filed November 26, 2003; ~~{Attorney Docket 16459-012001}~~ ^{10/724,005} (now U.S. Patent No. 7,083,991), entitled "Light Emitting Devices," and filed November 26, 2003. Each of these patent applications is incorporated herein by reference.

TECHNICAL FIELD

The invention relates to systems, and related components, systems and methods.

BACKGROUND

20 A light emitting diode (LED) often can provide light in a more efficient manner than an incandescent light source and/or a fluorescent light source. The relatively high power efficiency associated with LEDs has created an interest in using LEDs to displace conventional light sources in a variety of lighting applications. For example, in some instances LEDs are being used as traffic lights and to illuminate cell phone keypads and displays.

25 Typically, an LED is formed of multiple layers, with at least some of the layers being formed of different materials. In general, the materials and thicknesses selected for the layers